

**PROJECT:** Midnite Mine Remediation

**REPORT NO:** 2019-029

**OWNER:** Newmont/Dawn Mining

**OPERATOR:** Newmont/Dawn Mining

## Summary of Work Activities or Events for this reporting period:

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period October 11 – 17, 2019. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: <https://amcollab.mwhtools.com/sites/midnitemine>

## SITE HEALTH, SAFETY, AND SECURITY

### MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period October 11 – 17, 2019

FIRST AID INJURY	0	PROPERTY DAMAGE	0
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	0
RESTRICTED WORK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0
LOST TIME INJURY	0		

Comments: No incidents occurred during the reporting period.

## COMMUNITY LIAISON

No issues or concerns were reported or received by Newmont from the Spokane Tribe of Indians Community Liaison Officer. Mobilization notifications were provided to the Tribe during the week.

## PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS

### Weekly Progress Meeting:

The Weekly Construction Progress meeting was held at 1000 hours on Wednesday, October 16, 2019 at the on-site conference room and via conference call. Representatives from the following stakeholders attended the meeting in person or via telephone:

- EPA
- Jacobs
- Dawn Mining Company (DMC)/Newmont Goldcorp
- Stantec
- Ajax

### Meeting Action Items:

- None.

### EPA Plan/Document Approvals:

- None.

### Regulatory Site Visit(s):

- Mark Fillius, USACE, was on Site on October 11.
- Gabe Sedberry, Jacobs representing EPA, was on Site October 14 to 16.
- Brian Crossley, Spokane Tribe of Indians, was on Site on October 16.

## REMEDIAL WORK ACTIVITIES

### Construction:

During the week of October 11 – 17, 2019, the following activities were conducted:

- Continued excavating, hauling and placing low activity/low reactivity material to Pit 4 from the west and north sides of the South Waste Rock Pile (SWRP). Material from SWRP was placed in the Pit 4 Waste Containment Area (WCA).
- Mid-month progress survey of volume placed in Pit 4 was performed on October 15. The surveyed as placed volume was 1,938,000 cubic yards.
- The above materials were excavated with either excavator or loader equipment and transported and plug dumped with haul trucks. The plug dumps were leveled with a dozer into lifts not exceeding 10' thick. Table 1 presents the 2019 Pit 4 mass haul material volume.

**Table 1 – 2019 Pit 4 mass haul volume estimates**

Reporting Period	Truck Loads	Estimated Volume <sup>1</sup> yd <sup>3</sup>
October 11 – 17, 2019	2,723	76,244
2019 Cumulative	80,522	2,254,616

1 - Truck load assumed to be 28 yd<sup>3</sup>

- Tetra Tech/AEG continued installation of the South Pond Liner System with support from Envirocon;
  - Preparation of the South Pond subgrade and excavation of the anchor trench were completed.
  - Installation of the High Density Polyethylene (HDPE) Secondary Containment Liner was completed
  - Installation of the geonet continued
  - Installation of the Primary Containment Liner began
  - The anchor trench was backfilled with approximately 6 inches of compacted soil over the Secondary Containment Liner and geonet.
  - The 6-inch schedule 80 PVC Leak Detection pipes were installed in the east and west Leak Detection sumps
  - Destructive Seam Tests DS-1 to DS-21 were retested at the correct strain rate at 2 inches per minute. All tests met the specified strength requirements in Specification 02272.
  - Accumulated stormwater was pumped from the pond following storm events.
- The 16-inch HDPE Pump Riser Pipes were fused.
- Pit 4 tension crack was measured on October 14. The horizontal distance between movement pins remains at 53.75 inches, indicating no measurable movement.
- Herrera completed planting shrubs and trees in the West Access Road area. Seedling protection tubes will be installed at a later date.

### Stormwater Pollution Prevention Plan (SWPPP)

- Began excavation of South Construction Support Zone (CSZ) swells and excavated the anchor trench for the South CSZ liner.

- SPCC containments were checked for water accumulation from precipitation events this week and drained of any accumulated water after verification that no oil sheen was present.

The following equipment was mobilized to the Site during this reporting period.

- Caterpillar 14 motor grader was mobilized on October 11.

- Caterpillar 16M motor grader was demobilized on October 11.
- Caterpillar CS68B vibratory smooth drum compactors were demobilized on October 16 and 17.

**Materials:**

- 12 rolls 60-mil textured, HDPE geomembrane.

Six dust monitors were operated during construction activities at the locations and for the time intervals listed in Table 2. Samplers ES-1, ES-6 and ES-7 triggered alarms at approximately 3:00 a.m. on Thursday (10/17/2019) indicating an exceedance of the Total Suspended Particulate (TSP) action level of 260 micrograms/cubic meter. There were no construction activities occurring at the time of the alarms and the exceedance was due to adverse weather conditions across the site (fog and rain). All samplers were turned off to avoid receiving additional false warnings and alarms.

Bison Engineering was on site 10/17/2019 to calibrate all 8 dust monitors (6 operating and 2 spares).

Monitor ID	Location Description	Start Date	Status							
			Fri	Sat	Sun	Mon	Tue	Wed	Thurs	
ES-1 (stationary)	Midnite Mine Top of Pit 4	04/01/19	D/N			D/N	D/N	D/N	E/E	
ES-2 (stationary)	Midnite Mine Southeast Boundary	04/01/19	D/N			D/N	D/N	D/N	E/E	
ES-3 (stationary)	Midnite Mine West Boundary	04/01/19	D/N			D/N	D/N	D/N	E/E	
ES-4 (roving)	East of the Mid-WRP	08/19/19	D/N			D/N	D/N	D/N	E/E	
ES-5 (roving)	Spare									
ES-6 (roving)	East Side of Pit 4	08/13/19	D/N			D/N	D/N	D/N	E/E	
ES-7 (roving)	Southwest Side of Area 5	07/12/19	D/N			D/N	D/N	D/N	E/E	
ES-8 (stationary)	Spare									

D=Day Shift (6:00 am to 4:30 pm)  
 N=Night Shift (4:00 pm to 2:30 am)  
 E=Environmental conditions (Fog, smoke, pollen, heavy rain, etc.) – No Operation  
 \* Equipment malfunction (Battery/Power Supply or Other)

## PROJECT DOCUMENTATION

Project Submittals, Engineering Change Notices (ECNs), Requests for Information (RFIs), Non-Compliance Notifications (NCNs), CQA-CQC Field Acceptance Forms and Other Items received, changed or noted during this time-period are shown in the table below:

**Table 3 – CQA Documentation**

Project Submittals			
Submittal No.	Title	Submittal Date	CQA Acceptance Date
02272-12.00	South Pond Geomembrane Certs (12 Rolls)	10/10/2019	10/14/2019 EPA Acceptance Received 10/14/2019
03300-06.00	South Pond Spillway – Concrete Test Results	10/16/2019	10/17/2019 Pending EPA Response
Project ECNs			
ECN No.	Title	EPA Submittal Date	EPA Response Date
None			
Project RFIs			
RFI No.	Title	CQC Submittal Date	CQA Response Date
None			
Project NCNs			
NCN No.	Title	CQA Issue Date	CQC Response Date
None to Date			
CQC-CQA Field Acceptance Forms			
CQC-CQA Acceptance No.	Title		CQC-CQA Issue Date
2019 SP-11	Subgrade Acceptance for South Pond (Panels 154-174)		10/11/2019
Other Items			
Item	Title		Comments
None			

Copies of the updated CQA Logs are located on the project SharePoint site under the 2019 CQA Folder.

## SITE INSPECTIONS

Details regarding the four-phase CQA observation/inspection process for each definable work feature are summarized below and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

### Preparatory Inspections / Meetings

- None during this time-period.

### Initial Phase Inspections

- None during this time-period.

### Follow-up Phase and Ongoing Inspections

- Daily observations/inspections were performed by CQA during this time-period pursuant to project specifications, design drawings and project documentation for applicable activities shown in the

Construction Section of the Remedial Work Activities portion of this report. There were no issues identified by CQA during this reporting period.

### Completion Inspections

- None

## THREE WEEK LOOKAHEAD SCHEDULE

### Three Week Lookahead Schedule

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:

David Lee  
Project Construction Director

### Attachments

- Attachment A – Midnite Mine 3 Week Lookahead Schedule

Photos of pertinent items are provided below.





Figure 1 – AEG/Tetrattech completed deploying Secondary Containment Liner in the South Pond, looking northeast.



Figure 2 – AEG/Tetrattech installing primary geomembrane on the south slope of the South Pond; looking east.

**ATTACHMENT A**

**MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE**

